

# Comparisons of Job Characteristics

**Focus Occupation:** [Control and Valve Installers and Repairers, Except Mechanical Door \(49-9012\)](#)

**Associated Occupation:** [Electricians \(47-2111\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 73

**Focus Occupation:** Control and Valve Installers and Repairers, Except Mechanical Door (49-9012)

**Associated Occupation:** Electricians (47-2111)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	16.5	13.0	<<	Extensive education and/or training may be required
Building and Construction	4.0	14.6	5.4	<<	Extensive education and/or training may be required
Mathematics	9.2	14.5	8.0	<<	Extensive education and/or training may be required
Design	5.2	13.4	7.4	<<	Extensive education and/or training may be required
Administration and Management	8.4	12.2	6.9	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	11.8	7.4	<<	Extensive education and/or training may be required
Physics	4.3	10.9	7.0	<<	Extensive education and/or training may be required
Telecommunications	3.9	10.4	5.8	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 72

**Focus Occupation:** Control and Valve Installers and Repairers, Except Mechanical Door (49-9012)

**Associated Occupation:** Electricians (47-2111)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Troubleshooting	4.5	12.3	7.9	<<	Extensive development of skills in this area may be required

Repairing	3.4	11.6	8.1	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	11.0	8.3	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	10.3	8.4	<	A higher skill level may be required
Installation	1.7	9.4	3.6	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	8.4	6.2	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 88			
Focus Occupation: Control and Valve Installers and Repairers, Except Mechanical Door (49-9012) Associated Occupation: Electricians (47-2111)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Visual Color Discrimination	6.4	12.8	7.2	<<	Extensive improvement in abilities may be required
Visualization	7.5	12.2	8.3	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	11.8	8.6	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	10.4	10.1	0	Current ability level may be sufficient
Gross Body Equilibrium	3.2	8.2	6.8	<	Some improvement in abilities may be required
Speed of Limb Movement	3.2	6.6	4.8	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	5.9	6.1	0	Current ability level may be sufficient
Sound Localization	2.2	5.3	3.2	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 86
Focus Occupation: Control and Valve Installers and Repairers, Except Mechanical Door (49-9012) Associated Occupation: Electricians (47-2111)		
Work Activities	Exclusivity of Activity	
Analyze operation of malfunctioning electrical or electronic equipment	68	
Distinguish colors	44	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Install electrical fixtures or components	71	
Install or replace meters, regulators, or related measuring or control devices	66	

Install/connect electrical equipment to power circuit	57
Install/string electrical or electronic cable or wiring	76
Move or fit heavy objects	8
Order or purchase supplies, materials, or equipment	35
Perform safety inspections in industrial, manufacturing or repair setting	32
Read blueprints	10
Read technical drawings	7
Repair or adjust measuring or control devices	71
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Replace electronic components	63
Solder electrical or electronic connections or components	55
Splice electric cable	85
Test electrical/electronic wiring, equipment, systems or fixtures	54
Test electronic or electrical circuit connections	66
Understand service or repair manuals	40
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use soldering equipment	44
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 92

**Focus Occupation: Control and Valve Installers and Repairers, Except Mechanical Door (49-9012)**  
**Associated Occupation: Electricians (47-2111)**

Tools and Technologies	Exclusivity
Aerial lifts	13
Business function specific software	1
Compressors	9
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Cutting tools	18
Data management and query software	1
Electrical measuring and testing equipment	7
Fastener setting tools	12
Forming tools	2
Holding and clamping tools	3
Industry specific software	1
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Light and wave generating and measuring equipment	4

Machine tools	7
Measuring and layout tools	3
Personal communication devices	2
Power tools	2
Pressure measuring and control instruments	10
Pulling tools	31
Safety apparel	4
Soldering and brazing and welding machinery and supplies	6
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.